

FCC ID: RU5AWBC1UP

Description of Operation

EUT is a Bluetooth V1.2 Class 1 USB Dongle. The device adopts GFSK modulation and operates with the WLAN coexistence feature - Adaptive Frequency Hopping on the 79 channels in 2402MHz to 2480MHz. It provides transmitting speed 1Mbps maximum. 128-bit Encryption algorithm is used for transfer data security. The antenna is an on-board chip antenna, and there is no antenna connector for the antenna. This Bluetooth V1.2 Class 1 USB Dongle is an IEEE 802.15.1 Bluetooth adapter. Its standard compliance ensures that it can communicate with any Bluetooth device, e.g., Bluetooth mobile phones, Bluetooth keyboard/mouse, Bluetooth printer, Bluetooth headset,...., etc.

1.1. Features of Equipment under Test

Items	Description
Type of Modulation	: GFSK
Number of Channels	: 79
Frequency Band	: 2400MHz ~ 2483.5MHz
Carrier Frequency	: 1MHz
Data Rate	: 1Mbps
Conducted Peak Power	: 6.96dBm
Antenna Type	: Chip Antenna, 4.10 dBi
Testing Duty Cycle	: 36.50%
Power Rating (DC/AC, Voltage)	: 5 VDC from host equipment
Test Power Source	: 110.00V AC
Temperature Range (Operating)	: 0 ~ 40°C